Buoy 22: Environmental Variables ONLY

Code:

```
model1 <- gam(BWpresence>0 ~ depth + sst_mean + mldTemp + ttDepth +
sal400,data = fulltrack22, family = binomial, method = "REML")
```

```
Family: binomial
Link function: logit

Formula:
BWpresence > 0 ~ depth + sst_mean + mldTemp + ttDepth + sal400

Parametric coefficients:
             Estimate Std. Error z value Pr(>|z|)
(Intercept) -1.026e+03  9.825e+02  -1.044  0.29644
depth        1.541e-04  7.570e-04   0.204  0.83872
sst_mean    -1.229e+00  7.538e-01  -1.631  0.10294
mldTemp      6.890e+00  2.316e+00   2.975  0.00293 **
ttDepth      7.016e-01  2.401e-01   2.922  0.00347 **
sal400       2.545e+01  2.817e+01   0.903  0.36632
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1


R-sq.(adj) =  0.0317   Deviance explained = 13.6%
-REML =  77.64  Scale est. = 1         n = 861
> |
```

Buoy 22: Environmental + Soundscape metrics

Code:

```
model2 <- gam(BWpresence>0 ~ depth + sst_mean + mldTemp + ttDepth +
sal400 + TOL_125 + TOL_2000, data = fulltrack22, family = binomial,
method = "REML")
```

```
Family: binomial
Link function: logit

Formula:
BWpresence > 0 ~ depth + sst_mean + mldTemp + ttDepth + sal400 +
    TOL_125 + TOL_2000

Parametric coefficients:
             Estimate Std. Error z value Pr(>|z|)
(Intercept) -1.596e+03  1.048e+03  -1.522  0.1279
depth        4.513e-04  7.875e-04   0.573  0.5666
sst_mean    -1.278e+00  7.850e-01  -1.628  0.1036
mldTemp      5.845e+00  2.326e+00   2.513  0.0120 *
ttDepth      7.130e-01  2.449e-01   2.912  0.0036 **
sal400       4.242e+01  3.013e+01   1.408  0.1591
TOL_125      4.882e-02  5.104e-02   0.956  0.3388
TOL_2000     4.639e-02  4.029e-02   1.151  0.2496
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1


R-sq.(adj) =  0.0236   Deviance explained = 15.2%
-REML = 80.562  Scale est. = 1         n = 861
> |
```